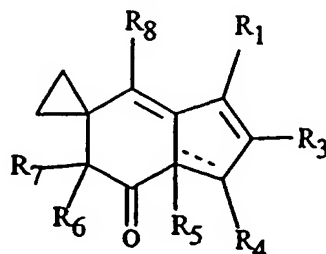


## ABSTRACT

The present invention provides illudin analogs of the general formula (I):



(I)

where  $R_1$  is  $(CH_2)_n-X-Y$  or H;  $n$  is 0 to 4;  $X$  is O or S or N or absent; and  $Y$  is an optionally substituted  $(C_1-C_8)$ alkyl,  $(C_6-C_{10})$ aryl,  $(C_6-C_{10})$ aryl $(C_1-C_4)$ alkyl or cyclo $(C_3-C_6)$ alkyl optionally comprising one or more heteroatoms; a monosaccharide, an amino acid residue, or H when  $n$  is 2-4;

$R_2$  is absent; or  $R_1$  and  $R_2$  together comprise a 5-7 membered cyclic ring;

$R_3$  is  $(C_1-C_4)$ alkyl or H;  $R_4$  is H,  $SCH_2CO_2$   $(C_1-C_4)$ alkyl,  $O-(C_5-C_{12})$ aryl or  $-S-(C_5-C_{12})$ aryl;  $R_5$  is H, OH or absent;  $R_6$  is  $(C_1-C_4)$ alkyl or absent;  $R_7$  is OH or  $OSi((C_1-C_4)alkyl)_3$ ; or

$R_6$  and  $R_7$  together are ethylenedioxy;

$R_8$  is optionally substituted  $(C_1-C_4)$ alkyl; and

the bonds represented by ---- are individually present or absent. The invention further provides dimers comprising analogs of formula (I).